

SEQUENCE LISTING

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 Sanberg, Paul
 Kamath, Siddharth

<120> Cellular Delivery of Natriuretic Peptides

<130> USF-180XC1

<150> 60/319,530

<151> 2002-09-06

<150> PCT/US2003/028157

<151> 2003-09-08

<160> 21

<170> PatentIn version 3.2

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Ser Lys Leu Arg Ala Leu Leu Thr Ala Pro Arg Ser Leu Arg Arg Ser
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Gln Ala Glu Gln Leu Ala Leu Glu Pro Leu His Arg Ser His Ser Pro
 65 70 75 80

Ala Glu Ala Pro Glu Ala Gly Gly Thr Pro Arg Gly Val Leu Ala Pro
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His Asp Ser Val Leu Gln Ala Leu Arg Arg Leu Arg Ser Pro Lys Met
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<400> 18

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Gln Leu Pro Gly Gln Thr Gly Ala Asn Pro Val Tyr Gly Ser Val Ser
20           25           30

```

```

Asn Ala Asp Leu Met Asp Phe Lys Asn Leu Leu Asp Arg Leu Glu Asp
35           40           45

```

```

Lys Met Pro Leu Glu Asp Glu Ala Val Pro Ser Gln Val Leu Ser Glu
50           55           60

```

```

Gln Asn Glu Glu Ala Gly Ala Pro Leu Ser Pro Leu Ser Glu Met Pro
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```

Pro Trp Met Gly Glu Val Asn Pro Ala Gln Arg Glu Gly Gly Val Leu
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Gly Arg Gly Pro Trp Glu Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser
100          105          110

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```

Lys Leu Arg Ala Leu Leu Thr Ala Pro Arg Ser Leu Arg Arg Ser Ser
115          120          125

```

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Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
130          135          140

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Cys Asn Ser Phe Arg Tyr Arg Arg

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145

150

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Leu Tyr Leu Ser Pro Leu Gly Gly His Ser Tyr Pro Leu Gly Ser Pro
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Ser Gln Ser Pro Glu Gln Phe Lys Met Gln Lys Leu Leu Glu Leu Ile
 35 40 45

Arg Glu Lys Ser Glu Glu Met Ala Gln Arg Gln Leu Leu Lys Asp Gln
 50 55 60

Gly Leu Thr Lys Glu His Pro Lys Arg Val Leu Arg Ser Gln Gly Ser
 65 70 75 80

Thr Leu Arg Val Gln Gln Arg Pro Gln Asn Ser Lys Val Thr His Ile
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Ser Ser Cys Phe Gly His Lys Ile Asp Arg Ile Gly Ser Val Ser Arg
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Leu Gly Cys Asn Ala Leu Lys Leu Leu
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<210> 20
 <211> 121
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 <213> Rattus norvegicus

<400> 20

Met Asp Leu Gln Lys Val Leu Pro Gln Met Ile Leu Leu Leu Leu Phe
 1 5 10 15

Leu Asn Leu Ser Pro Leu Gly Gly His Ser His Pro Leu Gly Ser Pro
 20 25 30

Ser Gln Ser Pro Glu Gln Ser Thr Met Gln Lys Leu Leu Glu Leu Ile
 35 40 45

Arg Glu Lys Ser Glu Glu Met Ala Gln Arg Gln Leu Ser Lys Asp Gln
 50 55 60

Gly Pro Thr Lys Glu Leu Leu Lys Arg Val Leu Arg Ser Gln Asp Ser
 65 70 75 80

Ala Phe Arg Ile Gln Glu Arg Leu Arg Asn Ser Lys Met Ala His Ser
 85 90 95

Ser Ser Cys Phe Gly Gln Lys Ile Asp Arg Ile Gly Ala Val Ser Arg
 100 105 110

Leu Gly Cys Asp Gly Leu Arg Leu Phe
 115 120

<210> 21
 <211> 131
 <212> PRT
 <213> Sus scrofa

<400> 21

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His Leu Leu Leu Leu Gly Cys Arg Ser His Pro Leu Gly Gly Ala Gly
 20 25 30

Leu Ala Ser Glu Leu Pro Gly Ile Gln Glu Leu Leu Asp Arg Leu Arg
 35 40 45

Asp Arg Val Ser Glu Leu Gln Ala Glu Arg Thr Asp Leu Glu Pro Leu
 50 55 60

Arg Gln Asp Arg Gly Leu Thr Glu Ala Trp Glu Ala Arg Glu Ala Ala
 65 70 75 80

Pro Thr Gly Val Leu Gly Pro Arg Ser Ser Ile Phe Gln Val Leu Arg
 85 90 95

Gly Ile Arg Ser Pro Lys Thr Met Arg Asp Ser Gly Cys Phe Gly Arg
 100 105 110

Arg Leu Asp Arg Ile Gly Ser Leu Ser Gly Leu Gly Cys Asn Val Leu
 115 120 125

Arg Arg Tyr
130